

Page 9, line 16, change "Figs. 3 and 4" to --Figs. 4 and 5--.

Page 9, line 27, after "is" insert --so--.

Page 10, line 2, change "Fig. 5" to --Fig. 6--.

Page 10, line 3, change "Fig. 5" to --Fig. 6--.

Page 10, line 12, change "equals" to --equal--.

Page 10, line 21, change "passwork" to --password--.

In the Claims:

Amend claims 1 and 5-7 as follows:

- a2 520 617
1. (Amended) A system for authenticating a signature including:
- (a) a digitizer and an associated [electronic] pen;
  - (b) a dynamic identification unit for receiving data from said digitizer produced during signature by said [electronic] pen on said digitizer, calculating signature parameters and permitted variations from said data, and generating a reference signature record therefrom;
  - (c) a comparator for comparing said received parameters produced during signature with said reference signature record; and
  - (d) apparatus for providing an accept or reject response in accordance with the output of said comparator;
- characterized in that:
- said reference signature record is a dynamic personal signature profile that is updated in accordance with received parameters produced during each accepted signature.

- a3 520 617
5. (Amended) The system according to [any of claims] claim 1 [to 3] for authenticating a signature transmitted over a transmission line, comprising:

- (a) a vendor unit including:
  - (1) a digitizer and an associated [electronic] pen; and
- (b) a signature authorization unit coupled to said vendor unit by the transmission line and including:
  - (1) a dynamic identification unit for receiving data from said digitizer produced during signature by said [electronic] pen on said digitizer,

calculating signature parameters therefrom, and generating a reference signature record corresponding thereto;

(2) a comparator for comparing said parameters produced during signature with said reference signature record; and

(3) apparatus for providing an accept or reject response to said vendor unit in accordance with the output of said comparator.

a<sup>3</sup>  
6. (Amended) The system according to claim 2 [or 3] for authenticating a signature transmitted over communication transmission lines, comprising:

(a) a cardholder unit including:

(1) a digitizer and an associated [an electronic] pen;

(2) apparatus for transmitting the output of said digitizer over the communication transmission lines;

(b) a signature authorization unit including:

(1) a dynamic identification unit for receiving data from said digitizer produced during signature by said [electronic] pen on said digitizer, calculating signature parameters therefrom, and generating a reference signature record corresponding thereto;

(2) a comparator for comparing said parameters produced during signature with said reference signature record; and

(3) apparatus for providing an accept or reject response in accordance with the output of said comparator; and

(c) a vendor unit coupled to said cardholder unit and to said signature authorization unit by the communication transmission lines and including a transceiver for receiving said output of said digitizer from said cardholder unit and transmitting it to said signature authorization unit; and for receiving said accept or reject response from said signature authorization unit.

7. (Amended) The system according to [any of the preceding claims] claim 1, wherein said reference signature record includes an array of signature parameters and permitted variations.

Cancel claim 8.

a<sup>4</sup>  
Amend claim 9 as follows:

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a4

9. (Amended) A method of authenticating a signature including the steps of:
- (a) providing a reference signature record;
  - (b) signing with [an electronic] a pen on a digitizer tablet;
  - (c) calculating signature parameters from data received from said digitizer produced during signature by said [electronic] pen on said digitizer;
  - (d) comparing said parameters produced during signature with said reference signature record; and
  - (e) providing an accept or reject response in accordance with results of the comparison;

characterized in that:

said step of providing a reference signature record includes dynamically updating a personal signature profile, which constitutes said reference signature record, in accordance with received parameters produced during each accepted signature.

Cancel claim 12.

Add the following claims:

a5

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13. The system according to claim 1, wherein said personal signature profile includes an array of parameters and personal tolerances based on received parameters produced during a plurality of accepted signatures.--

--14. The system according to claim 13, wherein said personal tolerances are determined individually for each person in accordance with variations in received parameters produced during each accepted signature of that person.--

--15. The system according to claim 1, wherein one of said parameters is pen tilt angle.--

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--16. The system according to claim 1, wherein said comparator is arranged to provide a reject response when a signature is identical to an immediately previous signature.--

--17. The system according to claim 1, wherein said apparatus for providing an accept or reject response includes apparatus granting or denying access to network resources.--

--18. The method according to claim 9, wherein one of said parameters is pen tilt angle.--